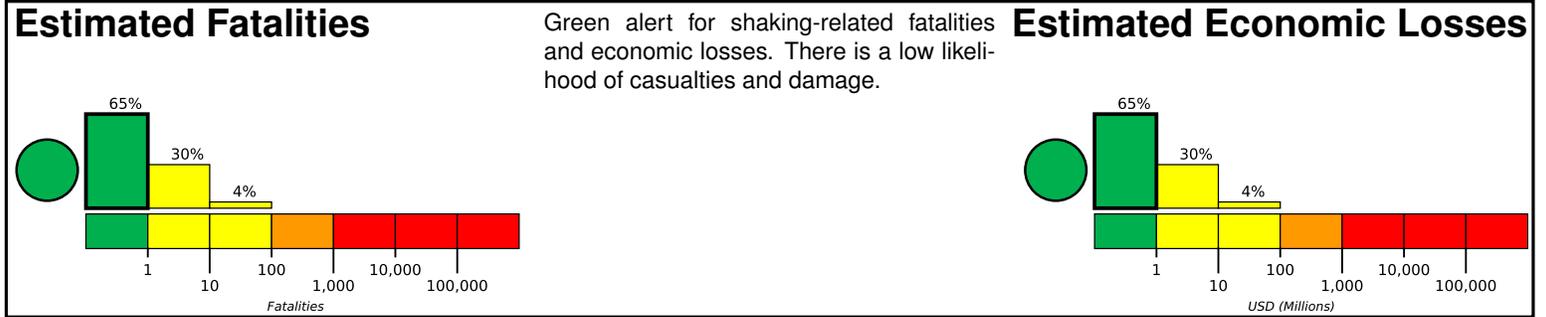


# M 5.7, 8 km SSE of Buenavista de Benito Jurez, Mexico

Origin Time: 2023-12-07 20:03:38 UTC (Thu 14:03:38 local)  
Location: 18.3875° N 98.6038° W Depth: 51.2 km

**PAGER**  
Version 5

Created: 1 week, 5 days after earthquake

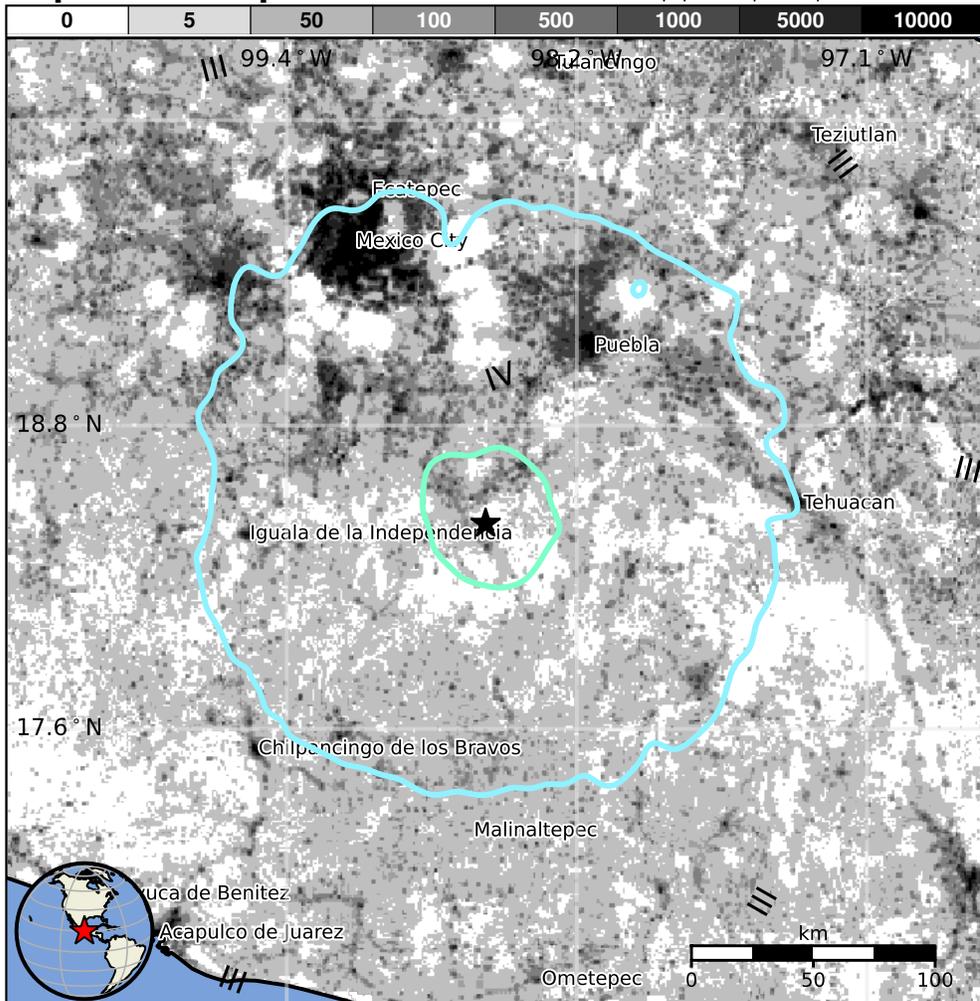


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	18,859k*	30,324k	245k	0	0	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1995-09-14	170	7.3	V(459k)	3
1999-06-15	121	6.9	VI(178k)	16
1985-09-19	397	8.0	VII(309k)	10k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Huehuetlan El Chico	5k
V	Atencingo	13k
V	Chiautla de Tapia	12k
V	Ciudad de Chiautla de Tapia	10k
V	Atzala	1k
V	Chietla	6k
IV	<b>Puebla</b>	<b>1,590k</b>
IV	Cuernavaca	344k
IV	<b>Mexico City</b>	<b>12,294k</b>
III	Toluca	506k
III	Xalapa de Enriquez	425k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lh50#pager>

Event ID: us7000lh50